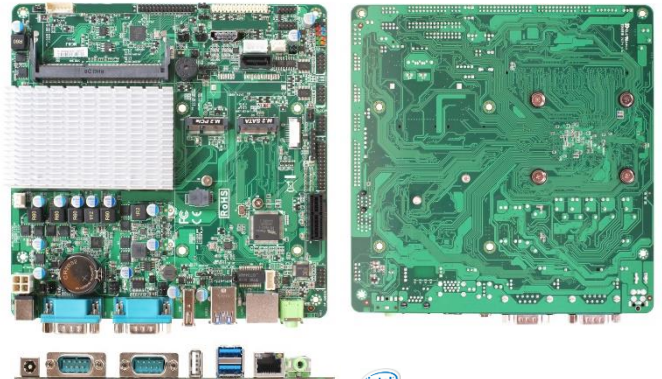




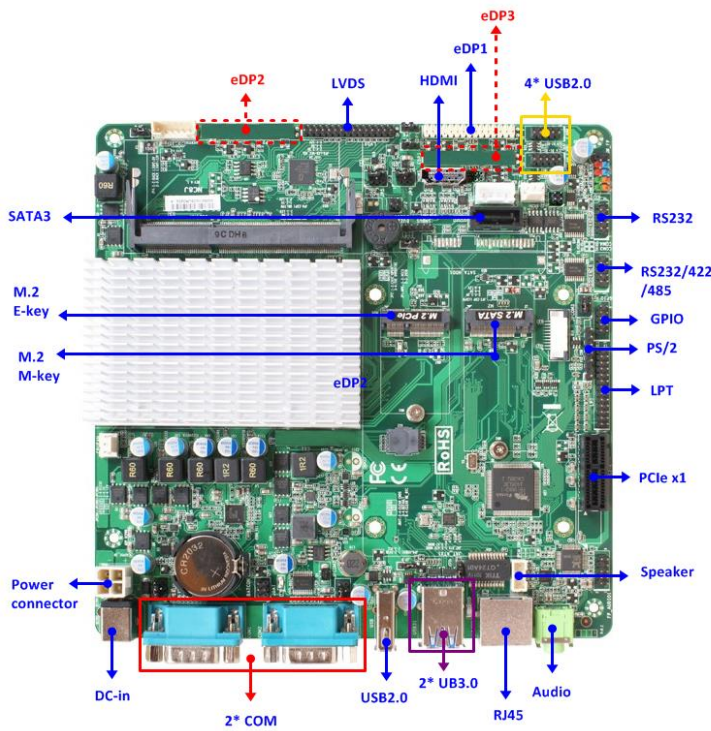
# JNC8J-I3455 Series

Intel® Apollo Lake J3455 SoC, DDR3L up to 8GB, support 12V DC-in

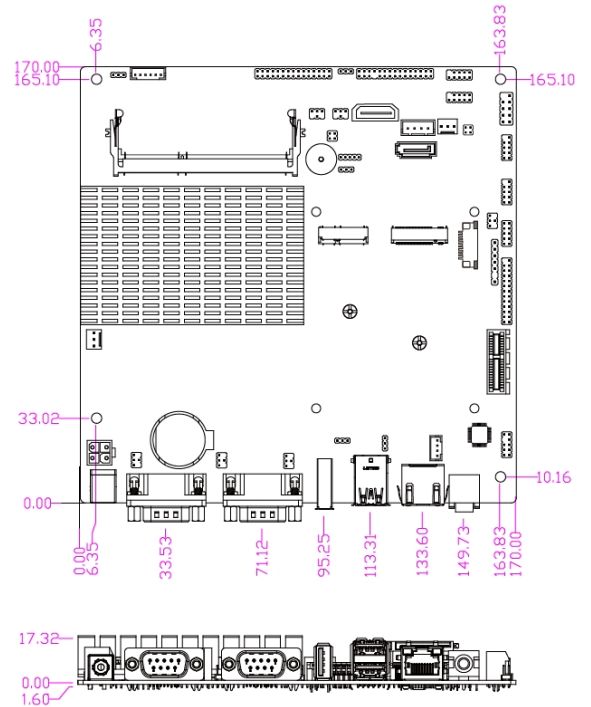
1. Intel® Apollo lake J3455 SOC (Co-lay N3350)
2. Onboard Intel® J3455 1.5GHz Quad Cores CPU
3. Onboard 32G eMMC (JNC8J-I3455D)
4. 1\* DDR3L/1866 SO-DIMM up to 8GB
5. 1\* PCIe x1, 1\* M.2 E-key, 1\* M.2 M-key
6. 4\* COM (COM1/2/3 support 5/12V TTL), 2\* USB3.0, 5\* USB2.0, 1\* GbE
7. Support HDMI + LVDS + eDP
8. Support Slim hard drive design
9. Onboard 12V DC-in
10. Thin Mini ITX Form Factor (170mm x170mm)



## I/O Diagram



## Mechanical Drawings (Unit = mm)



## Specifications

<b>Model</b>	<b>Form Factor</b>
<ul style="list-style-type: none"><li>JNC8J-I3455</li><li>JNC8J-I3455D (onboard 32G eMMC)</li></ul>	Mini-ITX (6.69-in * 6.69-in, 170 * 170mm)
<b>Processor System</b>	<b>Expansion</b>
<ul style="list-style-type: none"><li>Onboard Intel® J3455 1.5GHz (Turbo 2.3GHz) Quad Cores CPU</li><li>Apollo lake J3455 SoC chipset</li><li>Onboard 32G eMMC (JNC8J-I3455D)</li><li>AMI 128M Flash ROM</li></ul>	<ul style="list-style-type: none"><li>1* M.2 (E Key)</li><li>1* M.2 (M key, 2242 for SSD)</li><li>1* PCIe x1</li></ul>
<b>Memory</b>	<b>Graphics</b>
1* DDR3L 1866MHz SO-DIMM up to 8GB	<ul style="list-style-type: none"><li>Intel® HD Graphics 500, shared memory</li><li>1* eDP (Max Resolution: 4096x2160 @60Hz)</li><li>1* LVDS (Max Resolution: 2560x1600@60Hz, Co-lay eDP2)</li><li>1* HDMI1.4 (Max Resolution: 3840x2160@30Hz, Co-lay eDP3)</li><li>Support Triple Displays</li></ul>
<b>Ethernet</b>	<b>Audio</b>
1* Realtek® RTL8111G GbE	<ul style="list-style-type: none"><li>HD audio: Realtek ALC662</li><li>FP_AUDIO, 3W Amplifier Speaker out</li></ul>
<b>SATA</b>	<b>Rear I/O</b>
1* SATAIII (6.0Gb/s)	<ul style="list-style-type: none"><li>1* RJ45</li><li>2* USB3.0</li><li>1* USB2.0</li><li>1* Line-out</li><li>2* COM (RS232, support 5/12V TTL)</li><li>1* DC-in</li></ul>
<b>Internal Connector</b>	<b>Watchdog Timer</b>
<ul style="list-style-type: none"><li>4* USB 2.0</li><li>1* PS/2</li><li>1* LVDS / Inverter (Co-lay eDP2)</li><li>1* eDP</li><li>1* HDMI (Co-lay eDP3)</li><li>1* RS232/422/485 supports 5/12V TTL (COM3)</li><li>1* RS232 (COM4)</li><li>1* M.2 E-key (2230)</li><li>1* M.2 M-key (2242, SATA)</li><li>1* Parallel</li><li>1* GPIO (8bit, 5V)</li><li>1* Audio Header</li><li>1* speaker (3W Amplifier)</li><li>1* SMBUS</li><li>1* AT mode</li></ul>	<ul style="list-style-type: none"><li>From Super I/O to drag RESETCON#</li><li>256 segments (0 ~ 255sec)</li></ul>
<b>Power</b>	<b>Compliance</b>
12V DC-in, AT/ATX Supported - AT: Directly PWR on as Power input ready - ATX: Press Button to PWR on after Power input ready	CE, FCC, RoHS, REACH
<b>Temperature</b>	<b>OS Support</b>
<ul style="list-style-type: none"><li>Operating: -10°C ~ 60°C</li><li>Storage: -20°C ~ 70°C</li><li>Humidity: 10% ~ 90% RH @40°C (non-condensing)</li></ul>	Windows 10, Linux
<b>Warranty</b>	
2 Years Limited Warranty	

\* Specifications subject to change without notice, not responsible for typographical errors. Does not include HDD or OS.

## Accessories

Parts Number	Description	Parts Number	Description
-----	JNC8J Series	LCSCJNL70-F	Screw pack
G01-2X10A-HDMI-1F	HDMI Cable	G01-XH4-4P-22-F	SATA Power Cable
G01-SATA-BK-B-2F	SATA Cable		